295 North Maple Avenue
Basking Ridge, NJ 07920
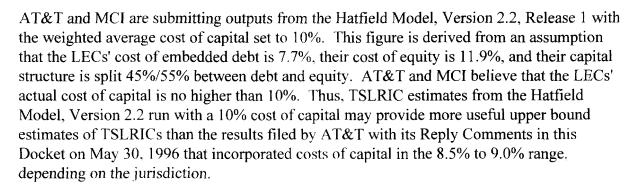
July 3, 1996

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, NW - Room 222
Washington, DC 20554

RE: Ex Parte Presentation
      CC Docket No. 96-98

Dear Mr. Caton:

AT&T and MCI are submitting outputs from the Hatfield Model, Version 2.2, Release 1 with the weighted average cost of capital set to 10%. This figure is derived from an assumption that the LECs' cost of embedded debt is 7.7%, their cost of equity is 11.9%, and their capital structure is split 45%/55% between debt and equity. AT&T and MCI believe that the LECs' actual cost of capital is no higher than 10%. Thus, TSLRIC estimates from the Hatfield Model, Version 2.2 run with a 10% cost of capital may provide more useful upper bound estimates of TSLRICs than the results filed by AT&T with its Reply Comments in this Docket on May 30, 1996 that incorporated costs of capital in the 8.5% to 9.0% range, depending on the jurisdiction.

In addition, to facilitate further analyses of the Hatfield Model's results, AT&T and MCI are submitting electronic copies of the model's Expense Modules for all 49 jurisdictions analyzed in AT&T's Reply Comments. As a further aid, AT&T and MCI are submitting electronic copies of the Commission's already publicly available ARMIS and DEM data that are inputs into the Model for each of these 49 jurisdictions. These submissions are being made at the Commission staff's request.

Two copies of this Notice are being submitted to the Secretary of the FCC in accordance with Section 1.1206(a)(1) of the Commission's rules. Also submitted are copies of the unit cost output sheets, a CD-ROM of the Expense Modules, and a diskette containing the ARMIS and DEM data. Copies of these electronic media are available from ITS.

Sincerely,

Richard N. Clarke

Attachments

Recycled Paper

COST OF NETWORK ELEMENTS   Alabama *BELLSOUTH TELECOMM INC - AL*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$7,276,733	$99,533,447	$40,949,356	$11,441,708	$59,108,803	$9,569,522	$227,879,569
Unit Cost/month	$32.11	$14.98	$8.98	$7.80	$7.32	$6.62	$10.16
Loop Concentration							
Annual Cost	$2,290,323	$31,291,525	$16,856,494	$3,543,015	$15,996,928	$1,656,750	$71,635,034
Unit Cost/month	$10.11	$4.71	$3.70	$2.41	$1.98	$1.15	$3.19
Loop Feeder							
Annual Cost	$456,318	$3,692,378	$1,848,563	$860,860	$7,652,943	$1,478,999	$15,990,061
Unit Cost/month	$2.01	$0.56	$0.41	$0.59	$0.95	$1.02	$0.71
Total Loop							
Annual Cost	$10,023,374	$134,517,350	$59,654,414	$15,845,582	$82,758,673	$12,705,271	$315,504,664
Unit Cost/month	$44.23	$20.24	$13.08	$10.80	$10.25	$8.78	$14.07
Total lines	18,886	553,869	380,130	122,306	673,013	120,527	1,868,730
Lines served by Digital Loop Carrier	18,886	543,166	286,242	58,201	261,133	26,673	1,194,302

	Annual Cost	Units		Unit Cost	
End office switching	$92,443,436				
1. Port	$27,733,031	1,696,824	Switched lines	$1.36	per line/month
2. Usage	$64,710,405	34,367,298,225	Minutes	$0.0019	per minute
Signaling network elements	$11,302,890				
1. Links	$72,982	302	Links	$20.14	per link/month
2. STP	$10,032,861	3,796,899,528	TCAP+ISUP messages	$0.0026	per message
3. SCP	$1,197,046	201,149,200	TCAP messages	$0.0060	per message
Transport network elements					
1. Dedicated	$65,144,780	308,322	Trunks	$17.61	per DS-0 equivalent/month
Switched	$28,823,109	136,416	Trunks	$0.0018	per minute
Special	$36,321,671	171,906	Trunks		
2. Common	$2,911,612	1,883,680,818	Minutes	$0.0022	per minute per leg (orig or term)
3. Tandem switch	$2,260,720	1,544,798,775	Minutes	$0.0015	per minute
Operator systems	$3,878,706				
Total	$464,690,716				

Total cost of switched network elements $21.02 per line/month

COST OF NETWORK ELEMENTS Arizona *MOUNTAIN BELL - AZ*

Loop elements		0 - 5 hh/mi2		5 - 200 hh/mi2		200 - 650 hh/mi2		650 - 850 hh/mi2		850 - 2550 hh/mi2		> 2550 hh/mi2		Totals
Loop Distribution														
Annual Cost		$23,761,959		$32,014,738		$20,049,819		$7,801,635		$83,791,353		$42,313,898		$209,733,401
Unit Cost/month	$	40.09	$	12.70	$	6.91	$	5.86	$	5.38	$	4.81	$	6.61
Loop Concentration														
Annual Cost		$5,605,722		$11,059,367		$9,608,594		$3,839,384		$39,830,602		$20,423,803		$90,367,472
Unit Cost/month	$	9.46	$	4.39	$	3.31	$	2.88	$	2.56	$	2.32	$	2.85
Loop Feeder														
Annual Cost		$1,635,144		$1,200,125		$1,214,405		$713,007		$10,605,678		$6,544,087		$21,912,445
Unit Cost/month	$	2.76	$	0.48	$	0.42	$	0.54	$	0.68	$	0.74	$	0.69
Total Loop														
Annual Cost		$31,002,825		$44,274,229		$30,872,817		$12,354,026		$134,227,632		$69,281,788		$322,013,318
Unit Cost/month	$	52.31	$	17.57	$	10.64	$	9.28	$	8.62	$	7.87	$	10.15
Total lines		49,392		210,047		241,769		110,940		1,297,513		733,790		2,643,452
Lines served by Digital Loop Carrier		49,392		201,776		168,383		66,910		694,433		358,453		1,539,346

	Annual Cost	Units		Unit Cost	
End office switching	$145,130,212				
1. Port	$43,539,064	2,233,505	Switched lines	$ 1.62	per line/month
2. Usage	$101,591,148	35,584,873,424	Minutes	$0.0029	per minute
Signaling network elements	$8,984,585				
1. Links	$79,329	332	Links	$ 19.91	per link/month
2. STP	$7,291,062	26,436,016,685	TCAP+ISUP messages	$0.0003	per message
3. SCP	$1,614,194	1,922,438,200	TCAP messages	$0.0008	per message
Transport network elements					
1. Dedicated	$93,929,535	566,856	Trunks	$ 13.81	per DS-0 equivalent/month
Switched	$26,000,235	156,909	Trunks	$0.0014	per minute
Special	$67,929,300	409,947	Trunks		
2. Common	$4,383,675	2,534,149,415	Minutes	$0.0018	per minute per leg (orig or term)
3. Tandem switch	$2,688,101	2,271,275,207	Minutes	$0.0012	per minute
Operator systems	$4,478,183				
Total	$566,380,027				

Total cost of switched network elements $ 17.30 per line/month

COST OF NETWORK ELEMENTS Arkansas *SOUTHWESTERN BELL - AR*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$13,045,665	$68,024,297	$22,699,412	$8,742,566	$38,856,216	$3,317,596	$154,685,752
Unit Cost/month	$32.39	$17.25	$11.39	$10.14	$9.43	$8.64	$13.22
Loop Concentration							
Annual Cost	$3,780,562	$16,759,314	$5,518,862	$1,566,596	$5,761,035	$353,505	$33,739,873
Unit Cost/month	$9.39	$4.25	$2.77	$1.82	$1.40	$0.92	$2.88
Loop Feeder							
Annual Cost	$572,858	$1,890,747	$1,113,303	$502,499	$3,503,614	$368,141	$7,951,162
Unit Cost/month	$1.42	$0.48	$0.56	$0.58	$0.85	$0.96	$0.68
Total Loop							
Annual Cost	$17,399,085	$86,674,357	$29,331,576	$10,811,660	$48,120,866	$4,039,242	$196,376,787
Unit Cost/month	$43.20	$21.98	$14.72	$12.54	$11.68	$10.51	$16.78
Total lines	33,561	328,603	166,009	71,849	343,292	32,013	975,326
Lines served by Digital Loop Carrier	33,561	317,162	102,255	28,987	106,755	6,298	595,017

	Annual Cost	Units		Unit Cost	
End office switching	$51,189,249				
1. Port	$15,356,775	855,950	Switched lines	$1.50	per line/month
2. Usage	$35,832,475	14,368,996,549	Minutes	$0.0025	per minute
Signaling network elements	$10,251,543				
1. Links	$64,404	272	Links	$19.73	per link/month
2. STP	$9,632,490	3,328,392,980	TCAP+ISUP messages	$0.0029	per message
3. SCP	$554,648	201,149,200	TCAP messages	$0.0028	per message
Transport network elements					
1. Dedicated	$29,574,912	181,884	Trunks	$13.55	per DS-0 equivalent/month
Switched	$10,163,919	62,508	Trunks	$0.0013	per minute
Special	$19,410,994	119,377	Trunks		
2. Common	$2,742,226	1,132,334,818	Minutes	$0.0025	per minute per leg (orig or term)
3. Tandem switch	$2,489,683	951,644,766	Minutes	$0.0026	per minute
Operator systems	$2,595,555				
Total	$288,963,455				

Total cost of switched network elements $24.51 per line/month

COST OF NETWORK ELEMENTS   California *PACIFIC BELL - CA*

Loop elements		0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution								
Annual Cost		$37,588,635	$142,218,736	$109,963,991	$44,499,644	$414,821,507	$628,986,795	$1,378,079,308
Unit Cost/month	$	51.44 $	14.16 $	7.48 $	6.35 $	5.88 $	5.32 $	6.23
Loop Concentration								
Annual Cost		$7,378,717	$44,954,790	$49,084,259	$19,466,873	$138,290,584	$124,817,483	$383,992,705
Unit Cost/month	$	10.10 $	4.47 $	3.34 $	2.78 $	1.96 $	1.06 $	1.74
Loop Feeder								
Annual Cost		$2,401,878	$5,663,343	$5,786,330	$3,098,415	$58,398,828	$121.004,583	$196,353,376
Unit Cost/month	$	3.29 $	0.56 $	0.39 $	0.44 $	0.83 $	1.02 $	0.89
Total Loop								
Annual Cost		$47,369,230	$192,836,869	$164,834,580	$67,064,932	$611,510,919	$874,808,860	$1,958,425,390
Unit Cost/month	$	64.83 $	19.19 $	11.21 $	9.58 $	8.67 $	7.40 $	8.85
Total lines		60,890	837,189	1,225,277	583,576	5,877,073	9,854,553	18,438,558
Lines served by Digital Loop Carrier		60,848	802,911	893,294	353,755	2,467,588	2,194,934	6,773,330

	Annual Cost	Units		Unit Cost	
End office switching	$792,637,709				
1. Port	$237,791,313	15,479,277	Switched lines	$ 1.28	per line/month
2. Usage	$554,846,397	230,141,339,661	Minutes	$0.0024	per minute
Signaling network elements	$52,013,258				
1. Links	$358,997	1,608	Links	$ 18.60	per link/month
2. STP	$39,302,948	184,177,295,101	TCAP+ISUP messages	$0.0002	per message
3. SCP	$12,351,314	12,480,864,000	TCAP messages	$0.0010	per message
Transport network elements					
1. Dedicated	$650,985,113	3,944,988	Trunks	$ 13.75	per DS-0 equivalent/month
Switched	$162,657,150	985,707	Trunks	$0.0014	per minute
Special	$488,327,963	2,959,281	Trunks		
2. Common	$38,823,198	21,345,730,186	Minutes	$0.0019	per minute per leg (orig or term)
3. Tandem switch	$13,747,982	16,491,963,305	Minutes	$0.0008	per minute
Operator systems	$22,803,092				
Total	$3,428,903,722				

Total cost of switched network elements $ 14.68   per line/month

COST OF NETWORK ELEMENTS   Colorado *MOUNTAIN BELL - CO*

Loop elements		0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution								
Annual Cost		$48,657,154	$49,133,714	$21,631,743	$9,138,702	$81,554,587	$46,704,305	$256,820,204
Unit Cost/month	$	57.99 $	13.24 $	6.82 $	5.97 $	5.48 $	4.95 $	7.65
Loop Concentration								
Annual Cost		$9,138,800	$17,312,433	$10,353,600	$4,296,025	$37,874,562	$16,618,661	$95,594,081
Unit Cost/month	$	10.89 $	4.66 $	3.26 $	2.81 $	2.54 $	1.76 $	2.85
Loop Feeder								
Annual Cost		$2,941,358	$1,925,395	$1,714,808	$807,476	$12,115,860	$8,011,787	$27,516,685
Unit Cost/month	$	3.51 $	0.52 $	0.54 $	0.53 $	0.81 $	0.85 $	0.82
Total Loop								
Annual Cost		$60,737,312	$68,371,541	$33,700,151	$14,242,202	$131,545,009	$71,334,753	$379,930,970
Unit Cost/month	$	72.38 $	18.42 $	10.62 $	9.30 $	8.84 $	7.56 $	11.31
Total lines		69,925	309,281	264,420	127,575	1,240,743	786,691	2,798,634
Lines served by Digital Loop Carrier		69,925	287,470	165,982	69,510	603,837	262,665	1,459,389

	Annual Cost	Units		Unit Cost	
End office switching	$160,942,354				
1. Port	$48,282,706	2,215,919	Switched lines	$ 1.82	per line/month
2. Usage	$112,659,648	37,397,367,626	Minutes	$0.0030	per minute
Signaling network elements	$10,457,265				
1. Links	$125,838	450	Links	$ 23.30	per link/month
2. STP	$8,403,566	25,203,964,676	TCAP+ISUP messages	$0.0003	per message
3. SCP	$1,927,861	1,853,713,800	TCAP messages	$0.0010	per message
Transport network elements					
1. Dedicated	$127,589,789	747,953	Trunks	$ 14.22	per DS-0 equivalent/month
Switched	$28,187,174	165,238	Trunks	$0.0014	per minute
Special	$99,402,616	582,715	Trunks		
2. Common	$7,954,340	2,766,206,015	Minutes	$0.0030	per minute per leg (orig or term)
3. Tandem switch	$3,309,775	2,447,043,723	Minutes	$0.0014	per minute
Operator systems	$5,848,144				
Total	$679,585,826				

Total cost of switched network elements $ 19.46 per line/month

COST OF NETWORK ELEMENTS   Connecticut *SOUTHERN NEW ENGLAND TEL CO - CT*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	*	$48,988,681	$46,916,866	$11,481,800	$58,176,741	$45,605,816	$211,177,271
Unit Cost/month	*	$12.32	$9.08	$8.22	$7.69	$6.98	$8.57
Loop Concentration							
Annual Cost	*	$18,637,950	$17,251,969	$3,324,028	$13,127,065	$4,339,819	$56,681,770
Unit Cost/month	*	$4.69	$3.34	$2.38	$1.73	$0.66	$2.30
Loop Feeder							
Annual Cost	*	$1,792,104	$2,640,389	$904,188	$7,458,708	$7,165,109	$19,962,655
Unit Cost/month	*	$0.45	$0.51	$0.65	$0.99	$1.10	$0.81
Total Loop							
Annual Cost	*	$69,418,736	$66,809,224	$15,710,017	$78,762,515	$57,110,745	$287,821,695
Unit Cost/month	*	$17.46	$12.93	$11.25	$10.41	$8.75	$11.68
Total lines	*	331,290	430,500	116,358	630,528	544,172	2,052,851
Lines served by Digital Loop Carrier	*	321,512	291,385	55,161	215,612	67,346	951,018

	Annual Cost	Units		Unit Cost	
End office switching	$98,179,063				
1. Port	$29,453,719	2,029,737	Switched lines	$1.21	per line/month
2. Usage	$68,725,344	32,952,790,090	Minutes	$0.0021	per minute
Signaling network elements	$4,565,689				
1. Links	$60,780	266	Links	$19.04	per link/month
2. STP	$3,173,447	3,084,849,159	TCAP+ISUP messages	$0.0010	per message
3. SCP	$1,331,463	201,149,200	TCAP messages	$0.0066	per message
Transport network elements					
1. Dedicated	$54,409,182	178,441	Trunks	$25.41	per DS-0 equivalent/month
Switched	$47,361,371	155,327	Trunks	$0.0025	per minute
Special	$7,047,812	23,114	Trunks		
2. Common	$6,578,346	3,008,540,762	Minutes	$0.0023	per minute per leg (orig or term)
3. Tandem switch	$2,697,069	2,679,234,209	Minutes	$0.0010	per minute
Operator systems	$4,035,792				
Total	$430,083,156				

Total cost of switched network elements $18.39 per line/month   * Insufficient data to perform meaningful calculations

COST OF NETWORK ELEMENTS   Delaware *DIAMOND STATE TEL - DE*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$47,938	$15,190,482	$6,462,056	$2,045,409	$10,223,754	$6,087,457	$40,057,096
Unit Cost/month	$46.93	$10.63	$6.43	$5.38	$5.17	$4.42	$6.50
Loop Concentration							
Annual Cost	$11,490	$6,939,534	$3,788,177	$1,270,135	$4,205,012	$2,386,228	$18,600,575
Unit Cost/month	$11.25	$4.86	$3.77	$3.34	$2.13	$1.73	$3.02
Loop Feeder							
Annual Cost	$7,331	$536,055	$307,440	$115,366	$1,762,678	$1,415,871	$4,144,741
Unit Cost/month	$7.18	$0.38	$0.31	$0.30	$0.89	$1.03	$0.67
Total Loop							
Annual Cost	$66,758	$22,666,071	$10,557,673	$3,430,910	$16,191,445	$9,889,555	$62,802,412
Unit Cost/month	$65.36	$15.87	$10.51	$9.03	$8.20	$7.18	$10.18
Total lines	85	119,043	83,724	31,669	164,635	114,766	513,922
Lines served by Digital Loop Carrier	85	116,844	64,538	21,496	68,237	39,413	310,614

	Annual Cost	Units		Unit Cost	
End office switching	$26,700,288				
1. Port	$8,010,086	482,463	Switched lines	$1.38	per line/month
2. Usage	$18,690,202	8,964,944,758	Minutes	$0.0021	per minute
Signaling network elements	$2,146,078				
1. Links	$60,368	72	Links	$69.87	per link/month
2. STP	$1,724,228	3,543,235,177	TCAP+ISUP messages	$0.0005	per message
3. SCP	$361,483	201,149,200	TCAP messages	$0.0018	per message
Transport network elements					
1. Dedicated	$16,076,099	70,561	Trunks	$18.99	per DS-0 equivalent/month
Switched	$8,908,828	39,102	Trunks	$0.0019	per minute
Special	$7,167,270	31,458	Trunks		
2. Common	$1,439,137	607,781,956	Minutes	$0.0024	per minute per leg (orig or term)
3. Tandem switch	$651,843	546,430,294	Minutes	$0.0012	per minute
Operator systems	$2,057,936				
Total	$106,381,013				

Total cost of switched network elements $17.42   per line/month

COST OF NETWORK ELEMENTS District of Columbia *CHESAPEAKE & POTOMAC TEL CO OF DC - DC*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	*	$119,998	$826,654	$946,099	$12,968,160	$103,616,482	$118,477,393
Unit Cost/month	*	$18.81	$11.22	$10.88	$10.58	$9.71	$9.82
Loop Concentration							
Annual Cost	*	$2,004	$245,737	$94,623	$1,162,950	$4,107,434	$5,612,749
Unit Cost/month	*	$0.31	$3.33	$1.09	$0.95	$0.38	$0.47
Loop Feeder							
Annual Cost	*	$14,105	$61,838	$105,139	$1,577,707	$10,945,371	$12,704,160
Unit Cost/month	*	$2.21	$0.84	$1.21	$1.29	$1.03	$1.05
Total Loop							
Annual Cost	*	$136,107	$1,134,230	$1,145,861	$15,708,818	$118,669,286	$136,794,302
Unit Cost/month	*	$21.33	$15.39	$13.17	$12.82	$11.12	$11.34
Total lines	*	532	6,142	7,249	102,142	889,483	1,005,548
Lines served by Digital Loop Carrier	*		3,692	1,345	17,417	58,748	81,202

	Annual Cost	Units		Unit Cost	
End office switching	$50,141,431				
1. Port	$15,042,429	902,074	Switched lines	$1.39	per line/month
2. Usage	$35,099,002	12,448,745,523	Minutes	$0.0028	per minute
Signaling network elements	$3,298,226				
1. Links	$41,619	74	Links	$46.87	per link/month
2. STP	$2,123,755	3,682,314,714	TCAP+ISUP messages	$0.0006	per message
3. SCP	$1,132,851	201,149,200	TCAP messages	$0.0056	per message
Transport network elements					
1. Dedicated	$36,048,535	156,740	Trunks	$19.17	per DS-0 equivalent/month
Switched	$12,250,707	53,266	Trunks	$0.0019	per minute
Special	$23,797,829	103,474	Trunks		
2. Common	$176,003	755,319,615	Minutes	$0.0002	per minute per leg (orig or term)
3. Tandem switch	$1,378,446	689,226,155	Minutes	$0.0020	per minute
Operator systems	$1,915,463				
Total	$222,138,132				

Total cost of switched network elements $17.73 per line/month   * Insufficient data to perform meaningful calculations

COST OF NETWORK ELEMENTS   Florida *BELLSOUTH TELECOMM INC - FL*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$7,143,484	$72,132,753	$73,769,675	$36,332,790	$238,653,967	$142,584,890	$0
Unit Cost/month	$41.42	$14.02	$9.28	$8.10	$7.55	$6.82	$0.00
Loop Concentration							
Annual Cost	$1,659,702	$22,875,874	$31,178,190	$15,521,415	$82,074,689	$31,094,011	$0
Unit Cost/month	$9.62	$4.45	$3.92	$3.46	$2.60	$1.49	$0.00
Loop Feeder							
Annual Cost	$390,001	$2,490,464	$2,567,508	$1,490,589	$20,447,645	$16,581,155	$0
Unit Cost/month	$2.26	$0.48	$0.32	$0.33	$0.65	$0.79	$0.00
Total Loop							
Annual Cost	$9,193,187	$97,499,091	$107,515,373	$53,344,794	$341,176,301	$190,260,055	$0
Unit Cost/month	$53.31	$18.95	$13.53	$11.89	$10.79	$9.11	$0.00
Total lines	14,371	428,765	662,269	373,941	2,634,437	1,741,046	-
Lines served by Digital Loop Carrier	14,370	413,738	556,984	279,301	1,465,700	560,502	

	Annual Cost	Units		Unit Cost	
End office switching	$266,706,211				
1. Port	$80,011,863	5,439,537	Switched lines	$1.23	per line/month
2. Usage	$186,694,347	93,536,345,969	Minutes	$0.0020	per minute
Signaling network elements	$32,732,637				
1. Links	$162,172	498	Links	$27.14	per link/month
2. STP	$28,784,317	3,465,676,197	TCAP+ISUP messages	$0.0083	per message
3. SCP	$3,786,149	201,149,200	TCAP messages	$0.0188	per message
Transport network elements					
1. Dedicated	$176,157,331	818,105	Trunks	$17.94	per DS-0 equivalent/month
Switched	$86,735,109	402,813	Trunks	$0.0018	per minute
Special	$89,422,222	415,292	Trunks		
2. Common	$11,557,760	6,712,943,744	Minutes	$0.0018	per minute per leg (orig or term)
3. Tandem switch	$7,355,596	5,764,161,131	Minutes	$0.0013	per minute
Operator systems	$8,525,753				
Total	$1,248,765,964				

Total cost of switched network elements $17.71 per line/month

COST OF NETWORK ELEMENTS

Georgia *BELLSOUTH TELECOMM INC - GA*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$7,092,381	$140,824,823	$81,485,013	$31,911,725	$109,569,210	$22,229,282	$393,112,434
Unit Cost/month	$26.70	$12.78	$7.84	$6.91	$6.52	$5.83	$8.38
Loop Concentration							
Annual Cost	$2,560,415	$49,736,409	$38,434,771	$14,162,864	$38,842,869	$7,873,341	$151,610,669
Unit Cost/month	$9.64	$4.51	$3.70	$3.07	$2.31	$2.06	$3.23
Loop Feeder							
Annual Cost	$44,653	$707,925	$693,138	$271,348	$2,300,444	$848,620	$4,866,128
Unit Cost/month	$0.17	$0.06	$0.07	$0.06	$0.14	$0.22	$0.10
Total Loop							
Annual Cost	$9,697,450	$191,269,157	$120,612,922	$46,345,937	$150,712,522	$30,951,243	$549,589,231
Unit Cost/month	$36.51	$17.36	$11.61	$10.04	$8.97	$8.11	$11.72
Total lines	22,133	918,139	865,654	384,771	1,400,336	317,868	3,908,901
Lines served by Digital Loop Carrier	22.125	905,421	686,872	252.544	688,289	141,648	2,696,899

	Annual Cost	Units		Unit Cost	
End office switching	$182,904,852				
1. Port	$54,871,456	3,447,867	Switched lines	$1.33	per line/month
2. Usage	$128,033,397	68,672,686,366	Minutes	$0.0019	per minute
Signaling network elements	$20,207,702				
1. Links	$94,720	412	Links	$19.16	per link/month
2. STP	$17,510,019	52,808,938,597	TCAP+ISUP messages	$0.0003	per message
3. SCP	$2,602,962	3,578,734,400	TCAP messages	$0.0007	per message
Transport network elements					
1. Dedicated	$145,413,063	744,740	Trunks	$16.27	per DS-0 equivalent/month
Switched	$55,394,655	283,707	Trunks	$0.0016	per minute
Special	$90,018,408	461,034	Trunks		
2. Common	$8,330,641	4,299,871,475	Minutes	$0.0020	per minute per leg (orig or term)
3. Tandem switch	$5,277,469	3,624,902,017	Minutes	$0.0015	per minute
Operator systems	$6,907,682				
Total	$881,816,709				

Total cost of switched network elements $18.46   per line/month

COST OF NETWORK ELEMENTS   Idaho *MOUNTAIN BELL - ID*

Loop elements	0 - 5	5 - 200	200 - 650	650 - 850	850 - 2550	> 2550	
	hh/mi2	hh/mi2	hh/mi2	hh/mi2	hh/mi2	hh/mi2	Totals
Loop Distribution							
Annual Cost	$17,045,770	$17,077,320	$6,518,135	$1,729,043	$13,837,225	$2,427,083	$58,634,575
Unit Cost/month	$42.53	$11.57	$6.07	$5.30	$4.89	$4.47	$8.82
Loop Concentration							
Annual Cost	$3,551,559	$5,843,322	$2,366,369	$647,826	$4,863,191	$466,892	$17,739,158
Unit Cost/month	$8.86	$3.96	$2.21	$1.98	$1.72	$0.86	$2.67
Loop Feeder							
Annual Cost	$877,625	$676,057	$548,275	$163,698	$1,971,163	$479,333	$4,716,151
Unit Cost/month	$2.19	$0.46	$0.51	$0.50	$0.70	$0.88	$0.71
Total Loop							
Annual Cost	$21,474,953	$23,596,698	$9,432,779	$2,540,566	$20,671,579	$3,373,309	$81,089,885
Unit Cost/month	$53.59	$15.98	$8.79	$7.78	$7.31	$6.21	$12.20
Total lines	33,397	123,026	89,427	27,209	235,696	45,292	554,046
Lines served by Digital Loop Carrier	33,397	114,696	45,553	12,371	93,517	8,780	308,314

	Annual Cost	Units		Unit Cost	
End office switching	$28,202,798				
1. Port	$8,460,840	470,722	Switched lines	$1.50	per line/month
2. Usage	$19,741,959	6,158,270,915	Minutes	$0.0032	per minute
Signaling network elements	$3,654,833				
1. Links	$46,876	172	Links	$22.71	per link/month
2. STP	$3,301,757	4,461,867,365	TCAP+ISUP messages	$0.0007	per message
3. SCP	$306,201	337,918,600	TCAP messages	$0.0009	per message
Transport network elements					
1. Dedicated	$14,873,950	110,708	Trunks	$11.20	per DS-0 equivalent/month
Switched	$3,679,159	27,384	Trunks	$0.0011	per minute
Special	$11,194,791	83,324	Trunks		
2. Common	$3,629,725	512,560,112	Minutes	$0.0072	per minute per leg (orig or term)
3. Tandem switch	$554,883	435,964,561	Minutes	$0.0013	per minute
Operator systems	$2,462,674				
Total	$132,355,640				

Total cost of switched network elements $19.66 per line/month

COST OF NETWORK ELEMENTS   Illinois *ILLINOIS BELL TEL CO - IL*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$2,739,238	$74,462,065	$65,042,123	$28,763,027	$205,806,039	$267,099,006	$643,911,498
Unit Cost/month	$32.37	$14.33	$8.81	$7.99	$7.27	$6.46	$7.50
Loop Concentration							
Annual Cost	$837,121	$22,110,564	$22,703,382	$9,233,256	$57,514,277	$35,157,303	$147,555,903
Unit Cost/month	$9.89	$4.26	$3.08	$2.56	$2.03	$0.85	$1.72
Loop Feeder							
Annual Cost	$144,153	$2,804,385	$4,085,701	$2,084,485	$28,617,008	$55,149,499	$92,885,233
Unit Cost/month	$1.70	$0.54	$0.55	$0.58	$1.01	$1.33	$1.08
Total Loop							
Annual Cost	$3,720,513	$99,377,015	$91,831,207	$40,080,768	$291,937,324	$357,405,807	$884,352,634
Unit Cost/month	$43.97	$19.13	$12.44	$11.13	$10.31	$8.65	$10.30
Total lines	7,051	432,982	615,181	299,995	2,358,754	3,443,929	7,157,892
Lines served by Digital Loop Carrier	7,044	401,690	410,926	167,676	1,043,407	619,559	2,650,302

	Annual Cost	Units		Unit Cost	
End office switching	$329,849,790				
1. Port	$98,954,937	5,935,964	Switched lines	$1.39	per line/month
2. Usage	$230,894,853	95,856,152,367	Minutes	$0.0024	per minute
Signaling network elements	$53,479,551				
1. Links	$152,634	696	Links	$18.28	per link/month
2. STP	$49,038,979	3,699,406,951	TCAP+ISUP messages	$0.0133	per message
3. SCP	$4,287,938	201,149,200	TCAP messages	$0.0213	per message
Transport network elements					
1. Dedicated	$371,701,456	1,617,819	Trunks	$19.15	per DS-0 equivalent/month
Switched	$90,957,828	395,891	Trunks	$0.0019	per minute
Special	$280,743,628	1,221,928	Trunks		
2. Common	$25,263,437	5,732,147,750	Minutes	$0.0015	per minute per leg (orig or term)
3. Tandem switch	$19,466,447	4,920,975,592	Minutes	$0.0040	per minute
Operator systems	$24,277,472				
Total	$1,677,911,212				

Total cost of switched network elements $17.92 per line/month

COST OF NETWORK ELEMENTS   Indiana *INDIANA BELL TEL CO INC - IN*

Loop elements	0 - 5	5 - 200	200 - 650	650 - 850	850 - 2550	> 2550	
	hh/mi2	hh/mi2	hh/mi2	hh/mi2	hh/mi2	hh/mi2	Totals
Loop Distribution							
Annual Cost	$1,131,823	$60,957,007	$32,353,318	$12,779,893	$79,079,186	$29,461,096	$215,762,322
Unit Cost/month	$26.35	$12.39	$7.78	$6.85	$6.41	$5.84	$7.61
Loop Concentration							
Annual Cost	$406,906	$20,804,779	$12,308,856	$4,428,409	$23,316,164	$6,530,432	$67,795,547
Unit Cost/month	$9.47	$4.23	$2.96	$2.37	$1.89	$1.29	$2.39
Loop Feeder							
Annual Cost	$60,271	$2,158,509	$1,854,237	$1,026,442	$9,350,974	$4,883,801	$19,334,233
Unit Cost/month	$1.40	$0.44	$0.45	$0.55	$0.76	$0.97	$0.68
Total Loop							
Annual Cost	$1,598,999	$83,920,295	$46,516,410	$18,234,744	$111,746,325	$40,875,328	$302,892,102
Unit Cost/month	$37.22	$17.06	$11.19	$9.78	$9.06	$8.11	$10.68
Total lines	3,580	409,949	346,542	155,420	1,027,744	420,255	2,363,490
Lines served by Digital Loop Carrier	3,580	388,354	229,614	82,464	433,499	119,697	1,257,209

	Annual Cost	Units		Unit Cost	
End office switching	$106,520,289				
1. Port	$31,956,087	1,966,084	Switched lines	$1.35	per line/month
2. Usage	$74,564,202	32,210,364,287	Minutes	$0.0023	per minute
Signaling network elements	$15,301,046				
1. Links	$79,376	354	Links	$18.69	per link/month
2. STP	$13,775,399	3,521,467,840	TCAP+ISUP messages	$0.0039	per message
3. SCP	$1,446,271	201,149,200	TCAP messages	$0.0072	per message
Transport network elements					
1. Dedicated	$82,199,529	533,582	Trunks	$12.84	per DS-0 equivalent/month
Switched	$20,978,184	136,176	Trunks	$0.0013	per minute
Special	$61,221,345	397,407	Trunks		
2. Common	$2,993,773	2,219,624,980	Minutes	$0.0014	per minute per leg (orig or term)
3. Tandem switch	$5,504,096	1,877,349,481	Minutes	$0.0029	per minute
Operator systems	$3,025,666				
Total	$505,417,327				

Total cost of switched network elements $17.22 per line/month

COST OF NETWORK ELEMENTS   Iowa *NORTHWESTERN BELL - IA*

Loop elements		0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution								
Annual Cost		$6,898,716	$32,848,133	$14,077,229	$4,265,044	$35,416,182	$11,487,254	$104,992,559
Unit Cost/month	$	26.76 $	11.59 $	6.88 $	5.91 $	5.43 $	4.87 $	7.12
Loop Concentration								
Annual Cost		$2,423,533	$11,299,072	$5,083,558	$1,043,790	$8,331,633	$1,891,991	$30,073,578
Unit Cost/month	$	9.40 $	3.99 $	2.48 $	1.45 $	1.28 $	0.80 $	2.04
Loop Feeder								
Annual Cost		$331,812	$1,506,231	$1,245,782	$533,225	$5,535,245	$2,019,667	$11,171,961
Unit Cost/month	$	1.29 $	0.53 $	0.61 $	0.74 $	0.85 $	0.86 $	0.76
Total Loop								
Annual Cost		$9,654,061	$45,653,436	$20,406,570	$5,842,059	$49,283,061	$15,398,912	$146,238,098
Unit Cost/month	$	37.45 $	16.11 $	9.97 $	8.09 $	7.55 $	6.53 $	9.92
Total lines		21,482	236,224	170,482	60,176	543,860	196,560	1,228,784
Lines served by Digital Loop Carrier		21.482	210,214	93.105	18.799	149,820	33,251	526,671

	Annual Cost	Units		Unit Cost	
End office switching	$61,392,160				
1. Port	$18.417.648	996,849	Switched lines	$ 1.54	per line/month
2. Usage	$42,974,512	14,748,700,652	Minutes	$0.0029	per minute
Signaling network elements	$15,011,181				
1. Links	$73,434	308	Links	$ 19.87	per link/month
2. STP	$14,243,719	9,551,596,264	TCAP+ISUP messages	$0.0015	per message
3. SCP	$694,028	714,926,200	TCAP messages	$0.0010	per message
Transport network elements					
1. Dedicated	$42,802,164	297,475	Trunks	$ 11.99	per DS-0 equivalent/month
Switched	$9,430,185	65,540	Trunks	$0.0012	per minute
Special	$33,371,978	231,935	Trunks		
2. Common	$3,809,332	1,178,736,633	Minutes	$0.0033	per minute per leg (orig or term)
3. Tandem switch	$2,872,894	1,018,390,654	Minutes	$0.0028	per minute
Operator systems	$2,962,413				
Total	$269,672,296				

Total cost of switched network elements $ 17.90 per line/month

COST OF NETWORK ELEMENTS   Kansas *SOUTHWESTERN BELL - KS*

Loop elements		0 - 5 hh/mi2		5 - 200 hh/mi2		200 - 650 hh/mi2		650 - 850 hh/mi2		850 - 2550 hh/mi2		> 2550 hh/mi2		Totals
Loop Distribution														
Annual Cost		$18,910,631		$53,827,832		$21,378,142		$8,719,207		$83,685,708		$16,408,557		$202,930,076
Unit Cost/month	$	53.83	$	16.64	$	11.09	$	9.99	$	9.25	$	8.51	$	11.69
Loop Concentration														
Annual Cost		$3,288,247		$13,153,295		$5,252,624		$1,678,555		$16,384,703		$2,737,682		$42,495,105
Unit Cost/month	$	9.36	$	4.07	$	2.72	$	1.92	$	1.81	$	1.42	$	2.45
Loop Feeder														
Annual Cost		$1,574,497		$1,462,851		$1,189,701		$546,338		$7,153,032		$1,567,772		$13,494,191
Unit Cost/month	$	4.48	$	0.45	$	0.62	$	0.63	$	0.79	$	0.81	$	0.78
Total Loop														
Annual Cost		$23,773,375		$68,443,977		$27,820,467		$10,944,100		$107,223,443		$20,714,011		$258,919,373
Unit Cost/month	$	67.68	$	21.16	$	14.43	$	12.54	$	11.85	$	10.75	$	14.91
Total lines		29,273		269,571		160,704		72,713		754,309		160,609		1,447,179
Lines served by Digital Loop Carrier		29,271		253,961		100,215		32,113		314,766		52,484		782,809

	Annual Cost	Units		Unit Cost	
End office switching	$73,568,421				
1. Port	$22,070,526	1,198,831	Switched lines	$ 1.53	per line/month
2. Usage	$51,497,895	17,795,644,792	Minutes	$0.0029	per minute
Signaling network elements	$11,383,402				
1. Links	$100,432	338	Links	$ 24.76	per link/month
2. STP	$10,426,176	3,349,446,762	TCAP+ISUP messages	$0.0031	per message
3. SCP	$856,794	201,149,200	TCAP messages	$0.0043	per message
Transport network elements					
1. Dedicated	$51,227,088	326,595	Trunks	$ 13.07	per DS-0 equivalent/month
Switched	$12,273,243	78,247	Trunks	$0.0013	per minute
Special	$38,953,844	248,348	Trunks		
2. Common	$6,092,170	1,383,161,444	Minutes	$0.0045	per minute per leg (orig or term)
3. Tandem switch	$4,187,362	1,188,979,116	Minutes	$0.0035	per minute
Operator systems	$4,313,730				
Total	$402,648,672				

Total cost of switched network elements $ 22.68 per line/month

COST OF NETWORK ELEMENTS   Kentucky *BELLSOUTH TELECOMM INC - KY*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$2,022,361	$75,084,983	$15,661,965	$4,222,466	$32,095,237	$14,485,985	$143,572,997
Unit Cost/month	$31.18	$15.68	$8.95	$7.66	$7.13	$6.30	$10.29
Loop Concentration							
Annual Cost	$608,868	$20,795,244	$4,530,304	$1,597,836	$7,374,873	$2,526,586	$37,433,709
Unit Cost/month	$9.39	$4.34	$2.59	$2.90	$1.64	$1.10	$2.68
Loop Feeder							
Annual Cost	$149,198	$2,857,261	$998,339	$274,319	$3,637,124	$2,419,591	$10,335,832
Unit Cost/month	$2.30	$0.60	$0.57	$0.50	$0.81	$1.05	$0.74
Total Loop							
Annual Cost	$2,780,427	$98,737,488	$21,190,608	$6,094,620	$43,107,233	$19,432,161	$191,342,538
Unit Cost/month	$42.87	$20.61	$12.11	$11.06	$9.58	$8.46	$13.71
Total lines	5,405	399,159	145,813	45,933	375,050	191,484	1,162,844
Lines served by Digital Loop Carrier	5,405	388,161	80,542	28,351	129,273	43,245	674,978

	Annual Cost	Units		Unit Cost	
End office switching	$63,529,429				
1. Port	$19,058,829	1,074,780	Switched lines	$1.48	per line/month
2. Usage	$44,470,600	20,403,059,470	Minutes	$0.0022	per minute
Signaling network elements	$10,243,450				
1. Links	$81,445	358	Links	$18.96	per link/month
2. STP	$9,500,556	3,637,251,995	TCAP+ISUP messages	$0.0026	per message
3. SCP	$661,448	201,149,200	TCAP messages	$0.0033	per message
Transport network elements					
1. Dedicated	$34,613,086	171,923	Trunks	$16.78	per DS-0 equivalent/month
Switched	$16,883,263	83,859	Trunks	$0.0017	per minute
Special	$17,729,822	88,064	Trunks		
2. Common	$3,125,474	1,285,009,043	Minutes	$0.0025	per minute per leg (orig or term)
3. Tandem switch	$3,307,806	1,070,345,258	Minutes	$0.0031	per minute
Operator systems	$3,221,411				
Total	$297,856,317				

Total cost of switched network elements $21.49 per line/month

COST OF NETWORK ELEMENTS   Louisiana *BELLSOUTH TELECOMM INC - LA*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$16,017,117	$93,675,474	$36,252,607	$12,918,960	$76,595,348	$48,446,847	$283,906,353
Unit Cost/month	$34.75	$16.56	$10.58	$9.20	$8.45	$7.60	$10.76
Loop Concentration							
Annual Cost	$4,396,952	$25,087,612	$10,557,449	$3,785,889	$17,782,295	$7,166,080	$68,776,277
Unit Cost/month	$9.54	$4.43	$3.08	$2.70	$1.96	$1.12	$2.61
Loop Feeder							
Annual Cost	$23,787	$358,504	$365,806	$139,085	$2,108,659	$2,052,255	$5,048,096
Unit Cost/month	$0.05	$0.06	$0.11	$0.10	$0.23	$0.32	$0.19
Total Loop							
Annual Cost	$20,437,856	$119,121,590	$47,175,861	$16,843,934	$96,486,302	$57,665,183	$357,730,726
Unit Cost/month	$44.35	$21.06	$13.77	$11.99	$10.64	$9.05	$13.56
Total lines	38,407	471,449	285,555	117,060	755,584	530,942	2,198,997
Lines served by Digital Loop Carrier	38,407	451,650	181,412	65,368	299,666	118,210	1,154,712

	Annual Cost	Units		Unit Cost	
End office switching	$114,820,413				
1. Port	$34,446,124	2,057,191	Switched lines	$1.40	per line/month
2. Usage	$80,374,289	41,301,548,420	Minutes	$0.0019	per minute
Signaling network elements	$14,270,034				
1. Links	$110,498	470	Links	$19.59	per link/month
2. STP	$12,848,482	3,807,455,359	TCAP+ISUP messages	$0.0034	per message
3. SCP	$1,311,053	201,149,200	TCAP messages	$0.0065	per message
Transport network elements					
1. Dedicated	$66,126,280	306,709	Trunks	$17.97	per DS-0 equivalent/month
Switched	$35,553,139	164,904	Trunks	$0.0018	per minute
Special	$30,573,140	141,805	Trunks		
2. Common	$4,461,668	2,241,442,085	Minutes	$0.0020	per minute per leg (orig or term)
3. Tandem switch	$4,387,744	1,868,475,628	Minutes	$0.0023	per minute
Operator systems	$4,772,053				
Total	$542,492,252				

Total cost of switched network elements $20.78 per line/month

COST OF NETWORK ELEMENTS   Maine *NEW ENGLAND TEL CO - ME*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$8,039,935	$44,258,587	$9,007,441	$1,819,182	$7,945,684	$5,583,110	$76,653,940
Unit Cost/month	$82.43	$12.24	$6.75	$5.79	$5.48	$4.86	$9.63
Loop Concentration							
Annual Cost	$927,846	$14,864,424	$3,049,080	$410,864	$1,120,523	$426,614	$20,799,350
Unit Cost/month	$9.51	$4.11	$2.29	$1.31	$0.77	$0.37	$2.61
Loop Feeder							
Annual Cost	$352,320	$1,764,237	$751,690	$181,370	$1,245,708	$866,769	$5,162,094
Unit Cost/month	$3.61	$0.49	$0.56	$0.58	$0.86	$0.75	$0.65
Total Loop							
Annual Cost	$9,320,101	$60,887,249	$12,808,211	$2,411,416	$10,311,916	$6,876,492	$102,615,384
Unit Cost/month	$95.56	$16.84	$9.60	$7.68	$7.11	$5.98	$12.89
Total lines	8,128	301,293	111,167	26,161	120,782	95,793	663,324
Lines served by Digital Loop Carrier	8,126	287,549	57,536	7,717	20,512	7,189	388,629

	Annual Cost	Units		Unit Cost	
End office switching	$41,031,928				
1. Port	$12,309,578	620,772	Switched lines	$1.65	per line/month
2. Usage	$28,722,350	8,012,446,186	Minutes	$0.0036	per minute
Signaling network elements	$3,598,617				
1. Links	$72,634	284	Links	$21.31	per link/month
2. STP	$3,143,747	3,012,610,299	TCAP+ISUP messages	$0.0010	per message
3. SCP	$382,236	201,149,200	TCAP messages	$0.0019	per message
Transport network elements					
1. Dedicated	$16,013,349	80,442	Trunks	$16.59	per DS-0 equivalent/month
Switched	$7,542,804	37,891	Trunks	$0.0017	per minute
Special	$8,470,545	42,551	Trunks		
2. Common	$3,027,525	761,248,838	Minutes	$0.0040	per minute per leg (orig or term)
3. Tandem switch	$1,475,263	669,464,787	Minutes	$0.0022	per minute
Operator systems	$2,083,563				
Total	$165,239,987				

Total cost of switched network elements $20.78 per line/month

COST OF NETWORK ELEMENTS   Maryland *CHESAPEAKE & POTOMAC TEL CO OF MD - MD*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$881,831	$82,833,999	$45,073,563	$17,566,585	$117,087,331	$105,312,058	$368,755,366
Unit Cost/month	$36.34	$14.69	$9.89	$8.78	$8.15	$7.56	$9.10
Loop Concentration							
Annual Cost	$241,031	$25,761,867	$15,395,364	$5,747,403	$26,710,273	$7,833,079	$81,689,016
Unit Cost/month	$9.93	$4.57	$3.38	$2.87	$1.86	$0.56	$2.02
Loop Feeder							
Annual Cost	$56,192	$2,719,798	$1,789,762	$765,464	$10,712,939	$14,665,666	$30,709,821
Unit Cost/month	$2.32	$0.48	$0.39	$0.38	$0.75	$1.05	$0.76
Total Loop							
Annual Cost	$1,179,054	$111,315,665	$62,258,688	$24,079,452	$154,510,543	$127,810,803	$481,154,204
Unit Cost/month	$48.59	$19.74	$13.66	$12.03	$10.76	$9.17	$11.87
Total lines	2,022	470,031	379,776	166,824	1,197,192	1,161,334	3,377,178
Lines served by Digital Loop Carrier	2,018	448,861	266,146	100,309	466,368	127,573	1,411,275

	Annual Cost	Units		Unit Cost	
End office switching	$166,152,566				
1. Port	$49,845,770	3,209,678	Switched lines	$1.29	per line/month
2. Usage	$116,306,796	62,793,020,671	Minutes	$0.0019	per minute
Signaling network elements	$15,854,022				
1. Links	$114,931	460	Links	$20.82	per link/month
2. STP	$13,392,998	3,728,510,335	TCAP+ISUP messages	$0.0036	per message
3. SCP	$2,346,093	201,149,200	TCAP messages	$0.0117	per message
Transport network elements					
1. Dedicated	$104,215,788	424,788	Trunks	$20.44	per DS-0 equivalent/month
Switched	$63,122,080	257,288	Trunks	$0.0020	per minute
Special	$41,093,709	167,500	Trunks		
2. Common	$3,851,350	3,661,456,237	Minutes	$0.0011	per minute per leg (orig or term)
3. Tandem switch	$5,433,115	3,127,055,878	Minutes	$0.0017	per minute
Operator systems	$5,736,396				
Total	$741,364,983				

Total cost of switched network elements $18.63 per line/month

COST OF NETWORK ELEMENTS Massachusetts *NEW ENGLAND TEL CO - MA*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$439,399	$66,876,144	$56,964,946	$17,657,474	$74,805,836	$106,780,457	$323,524,256
Unit Cost/month	$57.19	$11.57	$7.33	$6.21	$5.84	$4.97	$6.38
Loop Concentration							
Annual Cost	$86,350	$27,302,378	$23,940,825	$6,176,916	$20,446,204	$10,140,822	$88,093,494
Unit Cost/month	$11.24	$4.72	$3.08	$2.17	$1.60	$0.47	$1.74
Loop Feeder							
Annual Cost	$49,989	$3,251,396	$5,511,815	$2,132,543	$15,015,180	$27,082,073	$53,042,995
Unit Cost/month	$6.51	$0.56	$0.71	$0.75	$1.17	$1.26	$1.05
Total Loop							
Annual Cost	$575,737	$97,429,918	$86,417,586	$25,966,933	$110,267,219	$144,003,352	$464,660,746
Unit Cost/month	$74.94	$16.85	$11.11	$9.13	$8.60	$6.70	$9.16
Total lines	640	481,853	648,034	237,058	1,068,009	1,791,730	4,227,323
Lines served by Digital Loop Carrier	633	457,101	394.164	100,555	328,976	148,775	1,430,204

	Annual Cost	Units		Unit Cost	
End office switching	$218,355,562				
1. Port	$65,506,669	4,038,496	Switched lines	$1.35	per line/month
2. Usage	$152,848,893	66,224,520,761	Minutes	$0.0023	per minute
Signaling network elements	$10,448,660				
1. Links	$148,915	598	Links	$20.75	per link/month
2. STP	$7,202,782	3,223,525,669	TCAP+ISUP messages	$0.0022	per message
3. SCP	$3,096,962	201,149,200	TCAP messages	$0.0154	per message
Transport network elements					
1. Dedicated	$155,156,613	483,031	Trunks	$26.77	per DS-0 equivalent/month
Switched	$94,502,667	294,204	Trunks	$0.0027	per minute
Special	$60,653,946	188,827	Trunks		
2. Common	$11,089,507	5,574,900,727	Minutes	$0.0020	per minute per leg (orig or term)
3. Tandem switch	$4,644,200	4,713,320,378	Minutes	$0.0010	per minute
Operator systems	$6,071,714				
Total	$807,242,210				

Total cost of switched network elements $16.28 per line/month

COST OF NETWORK ELEMENTS   Michigan *MICHIGAN BELL TEL CO - MI*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$9,397,176	$146,311,011	$76,465,156	$33,191,883	$199,086,196	$146,728,506	$611,179,928
Unit Cost/month	$35.24	$15.26	$9.94	$9.20	$8.22	$7.76	$9.51
Loop Concentration							
Annual Cost	$2,404,111	$38,288,829	$21,384,221	$9,359,506	$48,521,439	$26,468,828	$146,426,935
Unit Cost/month	$9.02	$3.99	$2.78	$2.59	$2.00	$1.40	$2.28
Loop Feeder							
Annual Cost	$545,008	$4,636,398	$3.762,321	$1,688,705	$19,384,952	$18,737,057	$48,754,440
Unit Cost/month	$2.04	$0.48	$0.49	$0.47	$0.80	$0.99	$0.76
Total Loop							
Annual Cost	$12,346,294	$189,236,238	$101,611,699	$44,240,094	$266,992,587	$191,934,391	$806,361,303
Unit Cost/month	$46.31	$19.74	$13.20	$12.26	$11.03	$10.15	$12.54
Total lines	22,219	798,836	641,307	300,795	2,017,372	1,576,045	5,356,574
Lines served by Digital Loop Carrier	22,202	756,552	418,659	184,931	955,925	515,514	2,853,783

	Annual Cost	Units		Unit Cost	
End office switching	$243,541,109				
1. Port	$73,062,333	4,554,671	Switched lines	$1.34	per line/month
2. Usage	$170,478,776	74,995,762.307	Minutes	$0.0023	per minute
Signaling network elements	$30,968,896				
1. Links	$172,300	750	Links	$19.14	per link/month
2. STP	$27,763,046	49,278,466,491	TCAP+ISUP messages	$0.0006	per message
3. SCP	$3,033,550	3,569,496,000	TCAP messages	$0.0008	per message
Transport network elements					
1. Dedicated	$218,906,347	1,118,005	Trunks	$16.32	per DS-0 equivalent/month
Switched	$61,893,177	316,103	Trunks	$0.0016	per minute
Special	$157,013,170	801,902	Trunks		
2. Common	$22,157,565	5,917,815,145	Minutes	$0.0016	per minute per leg (orig or term)
3. Tandem switch	$11,268,838	4,726,381,607	Minutes	$0.0024	per minute
Operator systems	$13,686,016				
Total	$1,309,694,185				

Total cost of switched network elements $19.56 per line/month

COST OF NETWORK ELEMENTS   Minnesota *NORTHWESTERN BELL - MN*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$12,931,629	$50,090,642	$22,380,919	$10,121,216	$56,722,064	$37,628,566	$189,875,037
Unit Cost/month	$33.20	$11.92	$6.05	$5.18	$4.83	$4.24	$6.15
Loop Concentration							
Annual Cost	$3,822,595	$18,164,964	$11,014,689	$5,630,365	$23,499,711	$7,240,891	$69,373,215
Unit Cost/month	$9.82	$4.32	$2.98	$2.88	$2.00	$0.82	$2.25
Loop Feeder							
Annual Cost	$880,949	$2,337,872	$1,939,260	$885,848	$9,032,306	$8,363,794	$23,440,030
Unit Cost/month	$2.26	$0.56	$0.52	$0.45	$0.77	$0.94	$0.76
Total Loop							
Annual Cost	$17,635,173	$70,593,478	$35,334,868	$16,637,429	$89,254,082	$53,233,251	$282,688,281
Unit Cost/month	$45.28	$16.80	$9.55	$8.52	$7.60	$6.00	$9.16
Total lines	32,454	350,181	308,458	162,817	978,045	739,573	2,571,528
Lines served by Digital Loop Carrier	32,453	327,128	196,246	101,795	416,897	122,753	1,197,273

	Annual Cost	Units		Unit Cost	
End office switching	$129,422,955				
1. Port	$38,826,886	2,007,709	Switched lines	$1.61	per line/month
2. Usage	$90,596,068	32,248,104,740	Minutes	$0.0028	per minute
Signaling network elements	$13,320,072				
1. Links	$99,405	388	Links	$21.35	per link/month
2. STP	$11,599,123	23,625,906,865	TCAP+ISUP messages	$0.0005	per message
3. SCP	$1,621,544	1,598,490,600	TCAP messages	$0.0010	per message
Transport network elements					
1. Dedicated	$108,234,751	698,676	Trunks	$12.91	per DS-0 equivalent/month
Switched	$20,891,141	134,856	Trunks	$0.0013	per minute
Special	$87,343,610	563,820	Trunks		
2. Common	$2,982,804	1,977,668,218	Minutes	$0.0016	per minute per leg (orig or term)
3. Tandem switch	$4,121,713	1,720,595,407	Minutes	$0.0024	per minute
Operator systems	$3,620,554				
Total	$530,836,794				

Total cost of switched network elements $16.40 per line/month

COST OF NETWORK ELEMENTS   Mississippi *BELLSOUTH TELECOMM INC - MS*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$20,473,313	$117,386,766	$29,660,792	$7,408,368	$33,282,131	$4,415,638	$212,627,009
Unit Cost/month	$35.08	$18.82	$11.06	$9.79	$9.07	$8.10	$14.69
Loop Concentration							
Annual Cost	$5,484,146	$26,699,256	$6,475,434	$1,204,485	$6,552,037	$628,264	$47,043,622
Unit Cost/month	$9.40	$4.28	$2.41	$1.59	$1.79	$1.15	$3.25
Loop Feeder							
Annual Cost	$1,134,024	$4,037,439	$1,708,279	$513,504	$3,418,925	$624,484	$11,436,655
Unit Cost/month	$1.94	$0.65	$0.64	$0.68	$0.93	$1.15	$0.79
Total Loop							
Annual Cost	$27,091,483	$148,123,461	$37,844,505	$9,126,357	$43,253,094	$5,668,386	$271,107,286
Unit Cost/month	$46.42	$23.74	$14.11	$12.06	$11.79	$10.40	$18.73
Total lines	48,631	519,847	223,557	63,067	305,694	45,416	1,206,211
Lines served by Digital Loop Carrier	48,631	498,557	115,480	20,855	115,650	11,044	810,216

	Annual Cost	Units		Unit Cost	
End office switching	$71,439,588				
1. Port	$21,431,876	1,127,538	Switched lines	$1.58	per line/month
2. Usage	$50,007,712	22,528,096,870	Minutes	$0.0022	per minute
Signaling network elements	$10,126,922				
1. Links	$103,454	410	Links	$21.03	per link/month
2. STP	$9,336,747	3,651,251,529	TCAP+ISUP messages	$0.0026	per message
3. SCP	$686,721	201,149,200	TCAP messages	$0.0034	per message
Transport network elements					
1. Dedicated	$37,953,257	171,375	Trunks	$18.46	per DS-0 equivalent/month
Switched	$20,530,126	92,702	Trunks	$0.0018	per minute
Special	$17,423,131	78,673	Trunks		
2. Common	$8,643,377	1,402,700,491	Minutes	$0.0063	per minute per leg (orig or term)
3. Tandem switch	$2,377,835	1,176,316,138	Minutes	$0.0020	per minute
Operator systems	$6,579,330				
Total	$393,823,833				

Total cost of switched network elements $27.58 per line/month

COST OF NETWORK ELEMENTS Missouri *SOUTHWESTERN BELL - MO*

Loop elements	0 - 5 hh/mi2	5 - 200 hh/mi2	200 - 650 hh/mi2	650 - 850 hh/mi2	850 - 2550 hh/mi2	> 2550 hh/mi2	Totals
Loop Distribution							
Annual Cost	$10,499,628	$89,874,139	$58,270,454	$19,125,523	$147,132,260	$71,627,322	$396,529,326
Unit Cost/month	$34.05	$18.42	$12.21	$11.05	$10.26	$9.28	$11.75
Loop Concentration							
Annual Cost	$2,938,677	$20,268,316	$14,418,790	$4,285,941	$25,332,570	$7,361,840	$74,606,134
Unit Cost/month	$9.53	$4.15	$3.02	$2.48	$1.77	$0.95	$2.21
Loop Feeder							
Annual Cost	$587.648	$3.194.361	$2.381,887	$929,988	$11,650,711	$7,631,529	$26,376,123
Unit Cost/month	$1.91	$0.65	$0.50	$0.54	$0.81	$0.99	$0.78
Total Loop							
Annual Cost	$14,025,953	$113,336,816	$75,071,131	$24,341,452	$184,115,540	$86,620,690	$497,511,583
Unit Cost/month	$45.48	$23.23	$15.73	$14.07	$12.84	$11.22	$14.74
Total lines	25,700	406,542	397,780	144,215	1,195,368	643,380	2,812,984
Lines served by Digital Loop Carrier	25,700	382,096	278,758	82,397	485.442	135,555	1,389,949

	Annual Cost	Units		Unit Cost	
End office switching	$119,824,663				
1. Port	$35,947,399	2,264,835	Switched lines	$1.32	per line/month
2. Usage	$83,877,264	39,498,911,389	Minutes	$0.0021	per minute
Signaling network elements	$12,170,810				
1. Links	$102,645	448	Links	$19.09	per link/month
2. STP	$10,461,718	3,620,952,112	TCAP+ISUP messages	$0.0029	per message
3. SCP	$1,606,447	201,149,200	TCAP messages	$0.0080	per message
Transport network elements					
1. Dedicated	$112,944,668	712,648	Trunks	$13.21	per DS-0 equivalent/month
Switched	$26,070,629	164,498	Trunks	$0.0013	per minute
Special	$86,874,039	548,150	Trunks		
2. Common	$12,981,152	2,520,651,122	Minutes	$0.0053	per minute per leg (orig or term)
3. Tandem switch	$3,791,901	2,140,624,776	Minutes	$0.0018	per minute
Operator systems	$7,342,907				
Total	$749,543,657				

Total cost of switched network elements $21.44 per line/month